



Libyan International Medical University
Faculty of Business Administration

Data Processing

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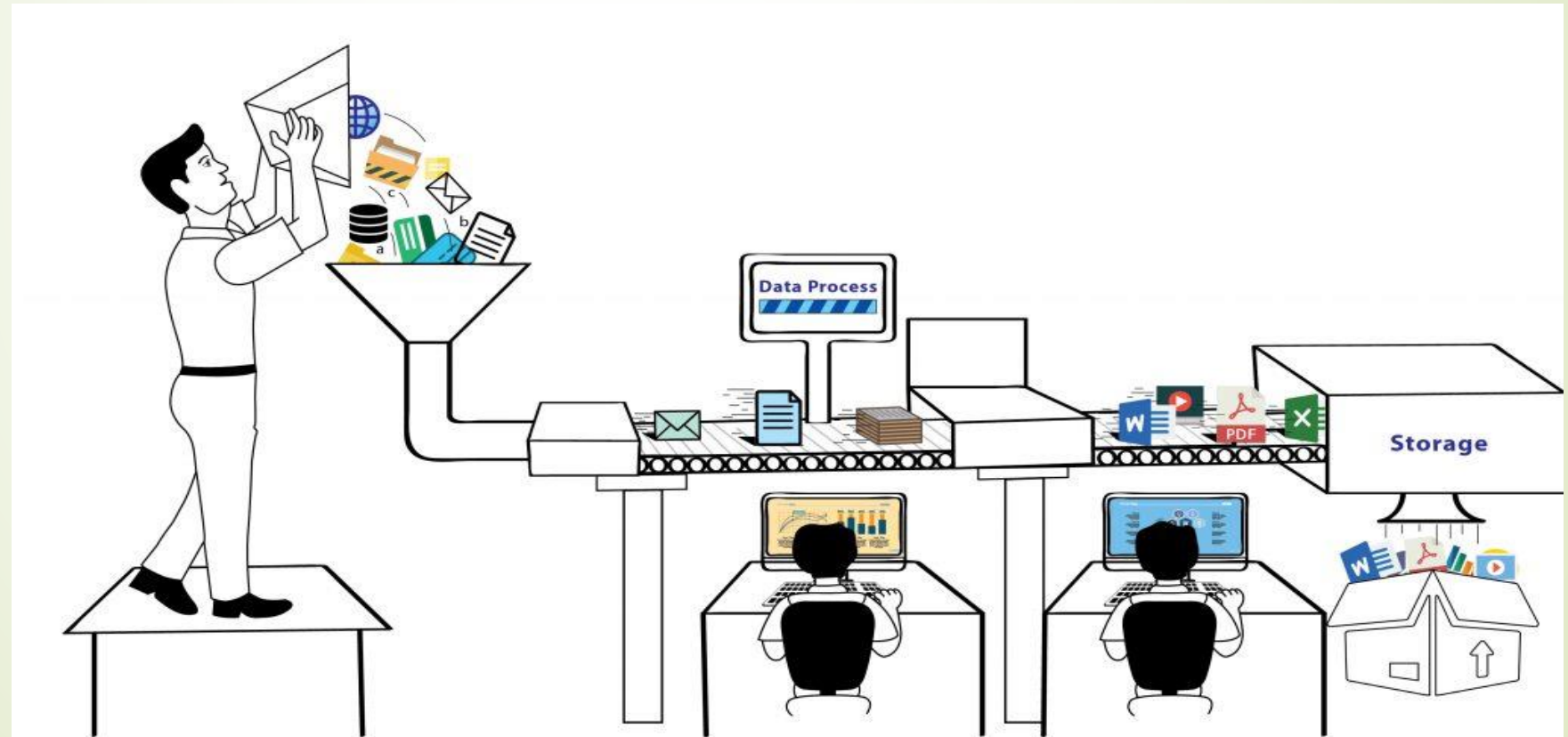
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Explain objectives and steps in data processing



What is data processing?

- Data processing is simply the conversion of raw data to information.



objectives and steps in data processing

➤ We have Six steps of data processing:

1. Data collection.
2. Data preparation.
3. Data input.
4. Processing.
5. Data output/interpretation.
6. Data storage.

Data collection

- Collecting data is the first step in data processing. Data is pulled from available sources. It is important that the data sources available are trustworthy and well-built so the data collected (and later used as information) is of the highest possible quality.

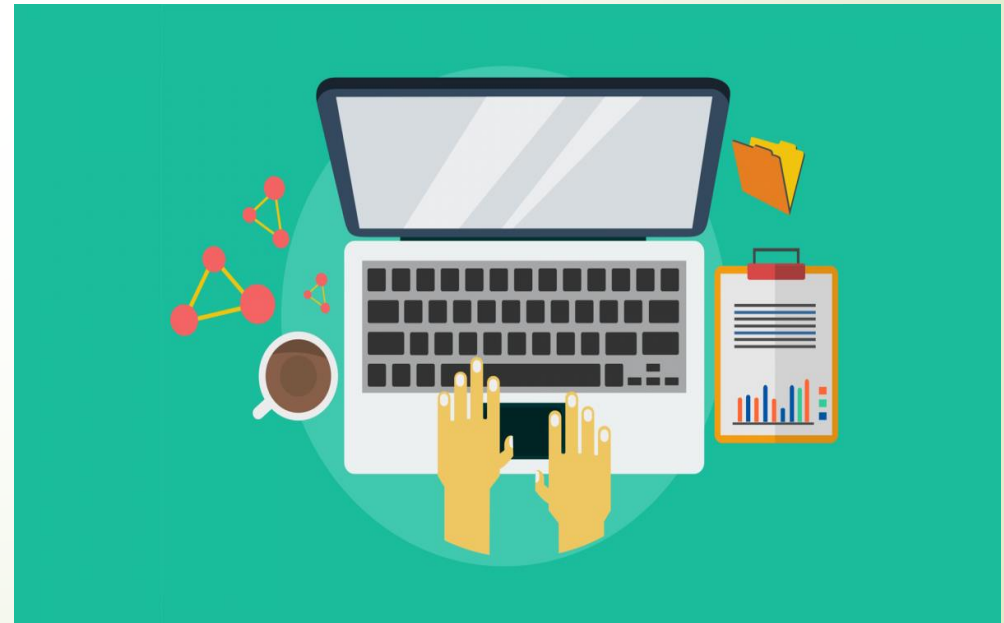


Data preparation

- Once the data has been collected, enter the data preparation step. Data preparation is the step at which raw data is cleaned up and organized. During setup, raw data is checked heavily for any errors. The purpose of this step is to remove bad data (redundant data, incomplete or incorrect data) and start creating high-quality data for the best result.

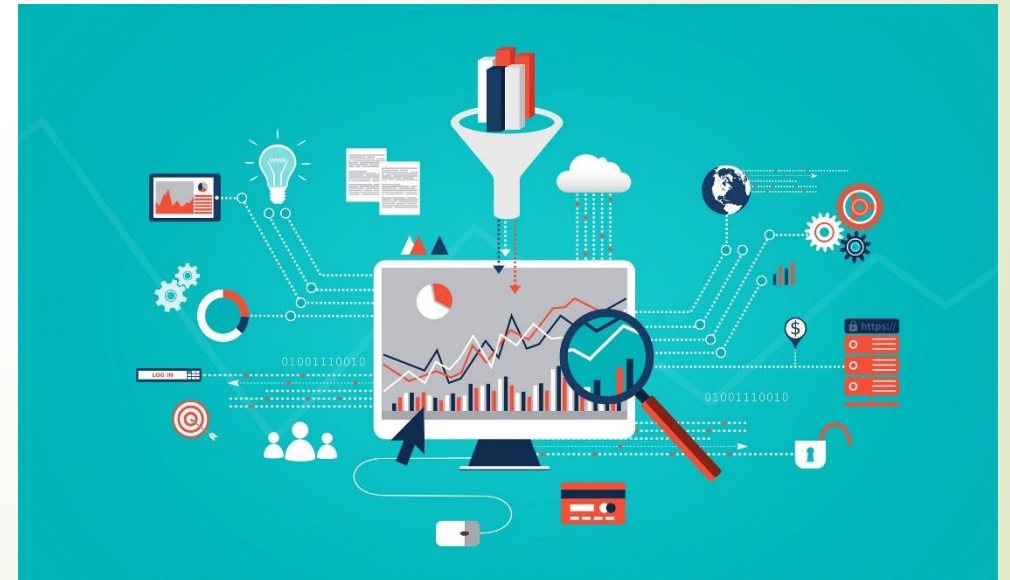
Data input

- Clean data is then entered in its destination, translated into a language that can be understood. Data entry is the first step in which raw data begins to take the form of usable information.



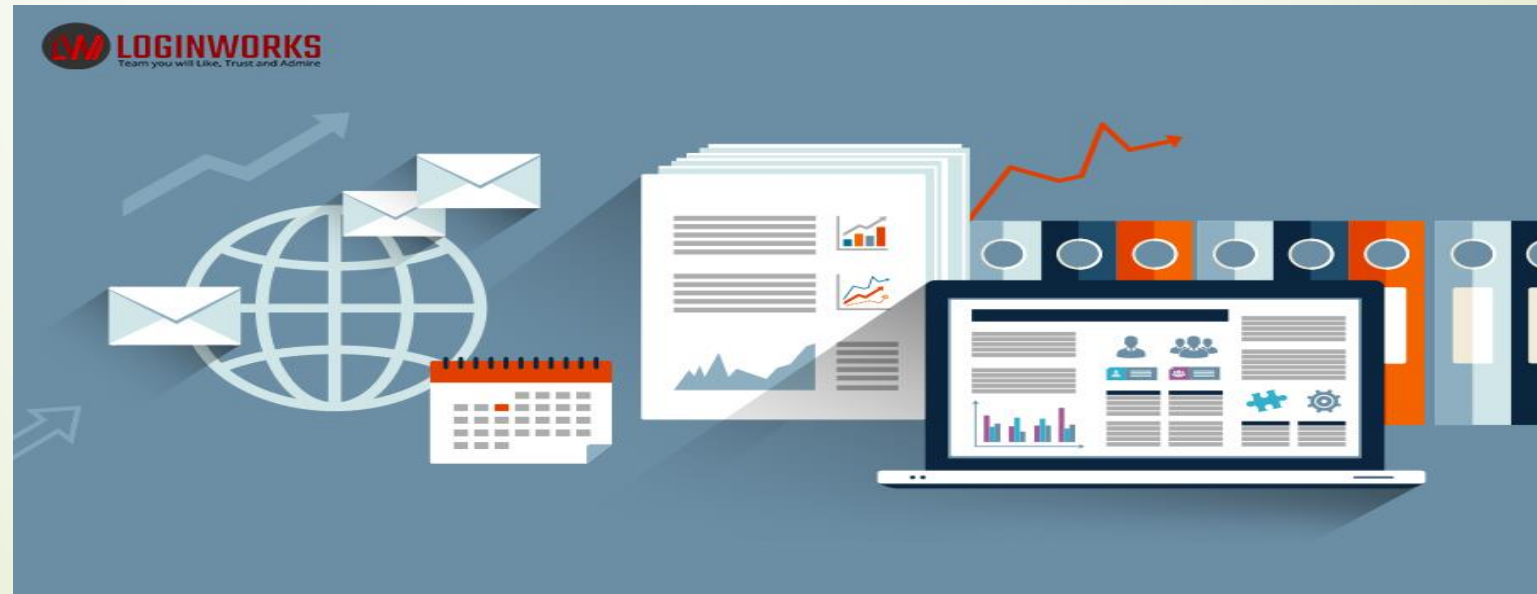
Processing

- During this step, data entered into the computer is processed for interpretation. Processing is done using automated learning algorithms.



Data output/interpretation

- The output / interpretation phase is the step at which the data is usable at the end. Are translated, can be read, often in the form of graphs, videos, images, plain text, etc.).



Data storage

- The final step of data processing is storage. After all of the data is processed, it is then stored for future use. While some information may be put to use immediately, much of it will serve a purpose later on. When data is properly stored, it can be quickly and easily accessed by members of the organization when needed.



Reference

- <https://www.talend.com/resources/>



